AMENDMENTS

In the Claims

1. – 115. Cancelled.

116.   **(Currently Amended)** A method comprising:
generating a set of SQL statements to query a first table and a second table, wherein
> the generating uses a relationship between the first table and the second table to
>> construct the set of SQL statements, and
> the set of SQL statements ~~does not include~~ <u>comprises SQL statements other</u>
>> <u>than</u> a statement that joins the first and second tables.

117.   (Previously Presented) The method of claim 116 wherein the relationship
comprises:
a parent/child relationship between the first and second tables, wherein
> one of the first and second tables is a parent table, and
> if the first table is the parent table, the second table is a child table, and
> if the second table is the parent table, the first table is the child table.

118.   **(Currently Amended)** The method of claim 117 further comprising:
querying the parent table using the set of SQL statements to produce a result set; and
using the result set for constructing a second set of SQL statements to query the child
> table, wherein
> the second set of SQL statements ~~does not include~~ <u>comprises SQL statements</u>
>> <u>other than</u> a second statement that joins the second table to another table.

119.   (Previously Presented) The method of claim 118 further comprising:
querying the child table using the second set of SQL statements to produce a second
> result set; and
joining the result set and the second result set to produce a third result set.

Application No.: 10/750,703

120.   (Previously Presented) The method of claim 119 further comprising:
returning the third result set as a result of the query of the first and second tables.

121.   (Previously Presented) The method of claim 118 wherein
the second set of SQL statements comprises:

> a query statement for selecting a record having a value of a foreign key field of
>> the second table equal to a value of a target key field in the result set.

122.   **(Currently Amended)** The method of claim 116 further comprising:
querying the first table using the set of SQL statements to produce a result set; and
using the result set for constructing a second set of SQL statements to query the second
> table, wherein
>> the second set of SQL statements ~~does not include~~ <u>comprises SQL statements
>> other than</u> a second statement that joins the second table to another table.

123.   (Previously Presented) The method of claim 122 further comprising:
querying the second table using the second set of SQL statements to produce a second
> result set; and
joining the result set and the second result set to produce a third result set.

124.   (Previously Presented) The method of claim 123 further comprising:
returning the third result set as a result of the query of the first and second tables.

125.   (Previously Presented) The method of claim 122 wherein the second set of SQL
statements comprises:
a query statement for selecting a record having a value of a foreign key field of the
> second table equal to a value of a target key field in the result set.

126.   (Previously Presented) The method of claim 116 further comprising:
obtaining a search specification for the query of the first and second tables, wherein
> the set of SQL statements comprises a query statement to select a record from at
>> least one of the first and second tables if the record satisfies the search
>> specification.

- 3 -

127.   (Previously Presented) The method of claim 126 further comprising:

executing the set of SQL statements to produce a result set; and

returning the result set in response to the search specification.

128.   **(Currently Amended)** A system comprising:

generating means for generating a set of SQL statements to query a first table and a

second table, wherein

the generating means use a relationship between the first table and the second

table to construct the set of SQL statements, and

the set of SQL statements ~~does not include~~ <u>comprises SQL statements other</u>

<u>than</u> a statement that joins the first and second tables<u>; and</u>

<u>determining means for determining if a parent/child relationship exists between the</u>

<u>first and second tables</u>.

129.   **(Currently Amended)** The system of claim 128 ~~wherein the relationship~~

~~comprises~~ <u>further comprising</u>:

~~a parent/child relationship between the first and second tables, wherein~~

<u>parent table determining means for determining if</u> one of the first and second tables is

a parent table<u>, if the parent/child relationship exists</u>, and <u>configured to</u>

<u>indicate</u>

if the first table is the parent table, <u>that</u> the second table is a child table, and

if the second table is the parent table, <u>that</u> the first table is the child table.

130.   **(Currently Amended)** The system of claim 129 further comprising:

querying means for querying the parent table using the set of SQL statements to produce

a result set; and

using means for using the result set for constructing a second set of SQL statements to

query the child table, wherein

the second set of SQL statements ~~does not include~~ <u>comprises SQL statements</u>

<u>other than</u> a second statement that joins the second table to another table.

131.   (Previously Presented) The system of claim 130 further comprising:

- 4 -

second querying means for querying the child table using the second set of SQL statements to produce a second result set; and

joining means for joining the result set and the second result set to produce a third result set.

132. (Previously Presented) The system of claim 131 further comprising:

returning means for returning the third result set as a result of the query of the first and second tables.

133. (Previously Presented) The system of claim 130 wherein

the second set of SQL statements comprises:

a query statement for selecting a record having a value of a foreign key field of the second table equal to a value of a target key field in the result set.

134. **(Currently Amended)** The system of claim 128 further comprising:

querying means for querying the first table using the set of SQL statements to produce a result set; and

using means for using the result set for constructing a second set of SQL statements to query the second table, wherein

the second set of SQL statements ~~does not include~~ <u>comprises SQL statements other than</u> a second statement that joins the second table to another table.

135. (Previously Presented) The system of claim 128 further comprising:

obtaining means for obtaining a search specification for the query of the first and second tables, wherein

the set of SQL statements comprises a query statement to select a record from at least one of the first and second tables if the record satisfies the search specification.

136. (Previously Presented) The system of claim 135 further comprising:

executing means for executing the set of SQL statements to produce a result set; and

returning means for returning the result set in response to the search specification.

137. **(Currently Amended)** A ~~computer-readable medium~~ <u>computer program</u>

product comprising:

generating instructions to generate a set of SQL statements to query a first table and a

second table, wherein

the generating instructions are configured to use a relationship between the first

table and the second table, and

the set of SQL statements ~~does not include~~ comprises SQL statements other

than a statement that joins the first and second tables; and

computer-readable storage medium, wherein the computer program product is

encoded in the computer readable storage media.

138. (Currently Amended) The ~~computer-readable medium~~ computer program

product of claim 137 wherein the relationship comprises:

a parent/child relationship between the first and second tables, wherein

one of the first and second tables is a parent table, and

if the first table is the parent table, the second table is a child table, and

if the second table is the parent table, the first table is the child table.

139. (Currently Amended) The ~~computer-readable medium~~ computer program

product of claim 138 further comprising:

querying instructions configured to query the parent table using the set of SQL statements

to produce a result set; and

using instructions configured to use the result set for constructing a second set of SQL

statements to query the child table , wherein

the second set of SQL statements ~~does not include~~ comprises SQL statements

other than a second statement that joins the second table to another table.

140. (Currently Amended) The ~~computer-readable medium~~ computer program

product of claim 139 further comprising:

second querying instructions configured to query the child table using the second set of

SQL statements to produce a second result set; and

joining instructions configured to join the result set and the second result set to produce a

third result set.

141. **(Currently Amended)** The ~~computer-readable medium~~ <u>computer program</u> <u>product</u> of claim 140 further comprising:

returning instructions configured to return the third result set as a result of the query of

the first and second tables.

142. **(Currently Amended)** The ~~computer-readable medium~~ <u>computer program</u> <u>product</u> of claim 139 wherein

the second set of SQL statements comprises:

a query statement for selecting a record having a value of a foreign key field of

the second table equal to a value of a target key field in the result set.

143. **(Currently Amended)** The ~~computer-readable medium~~ <u>computer program</u> <u>product</u> of claim 137 further comprising:

querying instructions configured to query the first table using the set of SQL statements

to produce a result set; and

using instructions configured to use the result set to construct a second set of SQL

statements to query the second table, wherein

the second set of SQL statements ~~does not include~~ <u>comprises SQL statements</u>

<u>other than</u> a second statement that joins the second table to another table.

144. **(Currently Amended)** The ~~computer-readable medium~~ <u>computer program</u> <u>product</u> of claim 137 further comprising:

obtaining instructions configured to obtain a search specification for the query of the first

and second tables, wherein

the set of SQL statements comprises a query statement to select a record from at

least one of the first and second tables if the record satisfies the search

specification.

145. **(Currently Amended)** The ~~computer-readable medium~~ <u>computer program</u> <u>product</u> of claim 144 further comprising:

executing instructions configured to execute the set of SQL statements to produce a result

set; and

returning instructions configured to return the result set in response to the search specification.

146.   **(Currently Amended)** A computer system comprising:

a processor to execute instructions; and

a memory to store the instructions, wherein

    the memory is coupled to the processor, and

    the instructions comprise:

        generating instructions configured to generate a set of SQL statements to

            query a first table and a second table, wherein

            the generating instructions use a relationship between a first table

                and a second table to construct the set of SQL statements,

                and

            the set of SQL statements ~~does not include~~ <u>comprises SQL</u>

                <u>statements other than</u> a statement that joins the first and

                second tables.

147.   (Previously Presented) The computer system of claim 146 wherein the relationship comprises:

a parent/child relationship between the first and second tables, wherein

    one of the first and second tables is a parent table, and

    if the first table is the parent table, the second table is a child table, and

    if the second table is the parent table, the first table is the child table.

148.   (Currently Amended) The computer system of claim 147 wherein the instructions further comprise:

querying instructions configured to query the parent table using the set of SQL statements

    to produce a result set; and

using instructions configured to use the result set for constructing a second set of SQL

    statements to query the child table, wherein

        the second set of SQL statements ~~does not include~~ <u>comprises SQL statements</u>

            <u>other than</u> a second statement that joins the second table to another table.

149.   (Previously Presented) The computer system of claim 148 wherein the instructions further comprise:

> second querying instructions configured to query the child table using the second set of SQL statements to produce a second result set; and

> joining instructions configured to join the result set and the second result set to produce a third result set.

150.   (Previously Presented) The computer system of claim 149 wherein the instructions further comprise:

> returning instructions configured to return the third result set as a result of the query of the first and second tables.

151.   (Previously Presented) The computer system of claim 148 wherein the second set of SQL statements comprises:

> a query statement for selecting a record having a value of a foreign key field of the second table equal to a value of a target key field in the result set.

152.   **(Currently Amended)** The computer system of claim 146 wherein the instructions further comprise:

querying instructions configured to query the first table using the set of SQL statements to produce a result set; and

using instructions configured to use the result set to construct a second set of SQL statements to query the second table, wherein

> the second set of SQL statements ~~does not include~~ <u>comprises SQL statements other than</u> a second statement that joins the second table to another table.

153.   (Previously Presented) The computer system of claim 146 wherein the instructions further comprise:

> obtaining instructions configured to obtain a search specification for the query of the first and second tables, wherein

> > the set of SQL statements comprises a query statement to select a record from at least one of the first and second tables if the record satisfies the search specification.

154. (Previously Presented) The computer system of claim 154 wherein the instructions further comprise:

> executing instructions configured to execute the set of SQL statements to produce a result set; and

> returning instructions configured to return the result set in response to the search specification.

155. **(Currently Amended)** A system comprising:

a generating module configured to generate a set of SQL statements to query a first table and a second table, wherein

> the generating module uses a relationship between a first table and a second table, and

> the set of SQL statements ~~does not include~~ <u>comprises SQL statements other than</u> a statement that joins the first and second tables.

156. (Previously Presented) The system of claim 155 wherein the relationship comprises:

a parent/child relationship between the first and second tables, wherein

> one of the first and second tables is a parent table, and

> if the first table is the parent table, the second table is a child table, and

> if the second table is the parent table, the first table is the child table.

157. **(Currently Amended)** The system of claim 156 further comprising:

a querying module configured to query the parent table using the set of SQL statements to produce a result set; and

a using module configured to use the result set for constructing a second set of SQL statements to query the child table , wherein

> the second set of SQL statements ~~does not include~~ <u>comprises SQL statements other than</u> a second statement that joins the second table to another table.

158. (Previously Presented) The system of claim 157 further comprising:

a second querying module configured to query the child table using the second set of SQL statements to produce a second result set; and

a joining module configured to join the result set and the second result set to produce a
third result set.

159.   (Previously Presented) The system of claim 158 further comprising:

a returning module configured to return the third result set as a result of the query of the
first and second tables.

160.   (Previously Presented) The system of claim 157 wherein

the second set of SQL statements comprises:

a query statement for selecting a record having a value of a foreign key field of
the second table equal to a value of a target key field in the result set.

161.   **(Currently Amended)** The system of claim 155 further comprising:

a querying module configured to query the first table using the set of SQL statements to
produce a result set; and

a using module configured to use the result set to construct a second set of SQL
statements to query the second table, wherein
the second set of SQL statements ~~does not include~~ <u>comprises SQL statements
other than</u> a second statement that joins the second table to another table.

162.   (Previously Presented) The system of claim 155 further comprising:

an obtaining module configured to obtain a search specification for the query of the first
and second tables, wherein
the set of SQL statements comprises a query statement to select a record from at
least one of the first and second tables if the record satisfies the search
specification.

163.   (Previously Presented) The system of claim 162 further comprising:

an executing module configured to execute the set of SQL statements to produce a result
set; and

a returning module configured to return the result set in response to the search
specification.